

NEW ARRIVAL

[We will be publishing a short introduction to the Books we receive from Publishers. The detailed *Review* will be published in due course in our regular Book Review Section—Ed.]

Radiation Protection in Medicine

(Proceedings of the Twenty-eighth Annual Meeting of the National Council on Radiation Protection & Measurements (No. 14), 1–2 April 1992).

edited by A K Poznanski

NCRP Maryland, U.S.A., 1992, ISBN 0-929600-29-0

viii+ 274 pages, illustrated, price : \$ 25 00, ISBN (soft cover)

This publication from National Council on Radiation Protection and Measurements is the 14th Proceedings on the Annual Meeting of the Members of the Council held at Crystal City Marriott, Arlington, Virginia on April 1–2, 1992. The publication is an important document in the Radiation protection for both patients and workers and as such this deliberation was made by a distinguished group of scientists and physicians. With the advancement in diagnostic tools and nuclear medicines in recent years, it has become necessary to examine the safety measures too. In the scientific sessions, several challenging topics have been discussed. The following presentations are noteworthy :

- (i) New risk estimates at low doses,
- (ii) Relationships between image quality and radiation dose in nuclear medicine and X-ray imaging,
- (iii) High-dose and interventional radiological examinations,
- (iv) Second cancers following radiation therapy,
- (v) Fluoroscopy trends high level and special procedures,
- (vi) Technology assessment—changing approaches from 70's to 90's,
- (vii) Mammography-risks and benefits,
- (viii) New technology—future of medical imaging etc.

All these information are vital for physicians and radiology users as radiation hazards may lead to new danger to the human society. Like earlier publications, this Proceedings is also an important manual and guide.

S P SEN GUPTA

**Phantoms and Computational Models in Therapy, Diagnosis and Protection
(ICRU Report 48)**

ICRU . Maryland, U. S. A., 1993

vii + 194 pages, illustrated, price : \$ 55.00 (soft cover) ; ISBN 0-913394-45-9

The book is an ICRU report, analysing the radiation interactions of the human body. This analysis is carried out using tissue substitutes, phantoms and computer models to simulate the effect of radiation on human anatomy with a short section devoted to animal phantoms in radiobiology. For convenience, the phantoms are described in the specialities in which they are used : namely radiotherapy, diagnosis, radiation protection and radiobiology. Besides this, the book also contains a wealth of human anatomical data, as the development of realistic body phantoms and computer modules is strongly dependent on this.

The book is divided into 9 sections and 5 appendices. It should be of immense value to students of radiotherapy and radiobiology.

PARSATHI CHATTERJEE